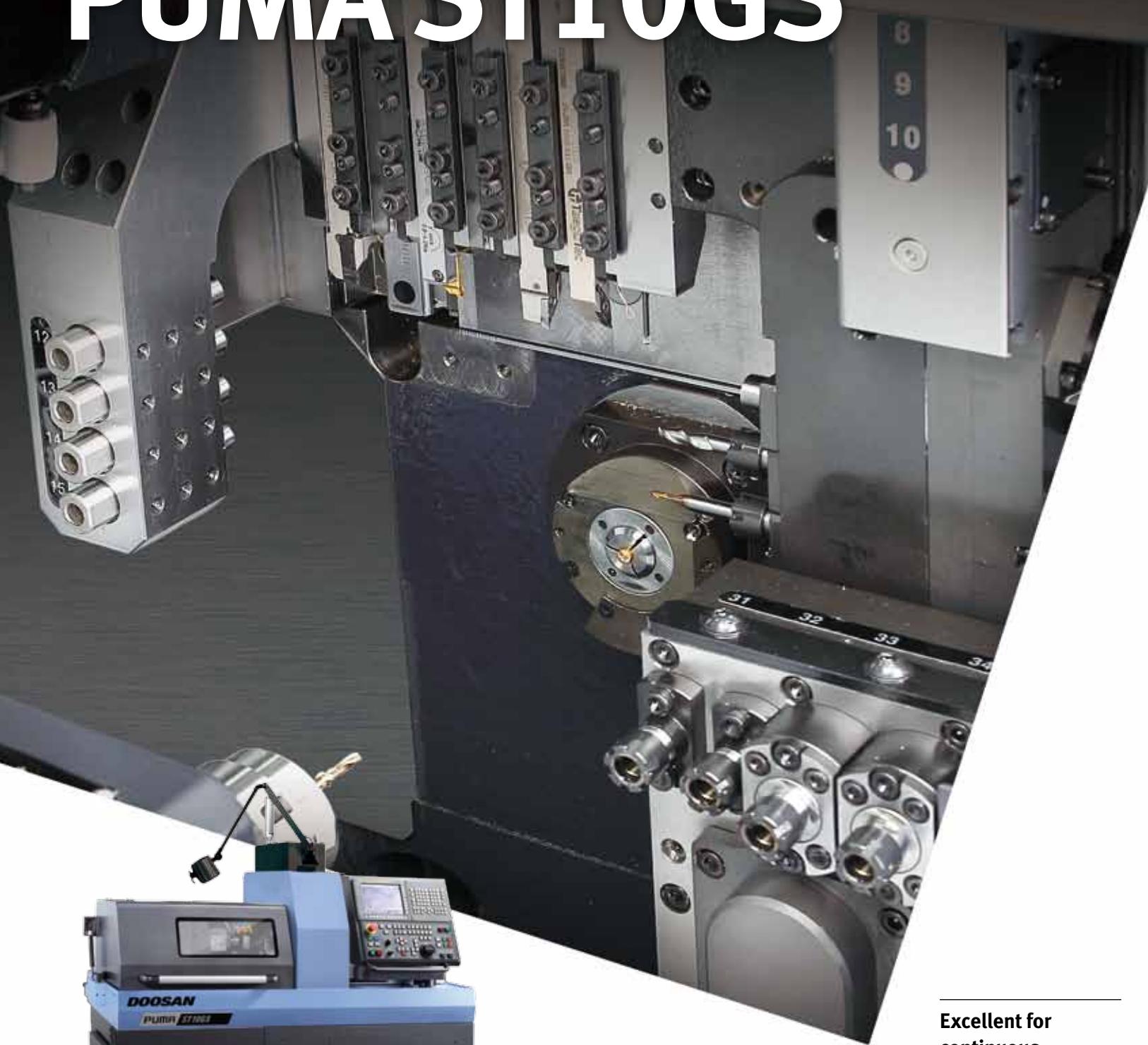


# PUMA ST10GS



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Excellent for  
continuous  
precision machining

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**PUMA ST10GS**

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ver. EN 160218 SU

## Basic structure

PUMA ST10GS excellent for continuous precising is suitable for processing small parts having diameters between Ø3~Ø8mm.

## High performance based on compact size

### PUMA ST10GS

Max. Machining center

**Ø 10mm (Ø 0.4 inch)**

Max. Machining Diameter

Main **12000r/min**

Sub **10000r/min**

Machine dimensions (length x width)

**1929 x 910mm**  
(75.9 x 35.8 inch)



## Travel

Rapid traverse rate (all axes)

**35m/min (1378.0 ipm)**

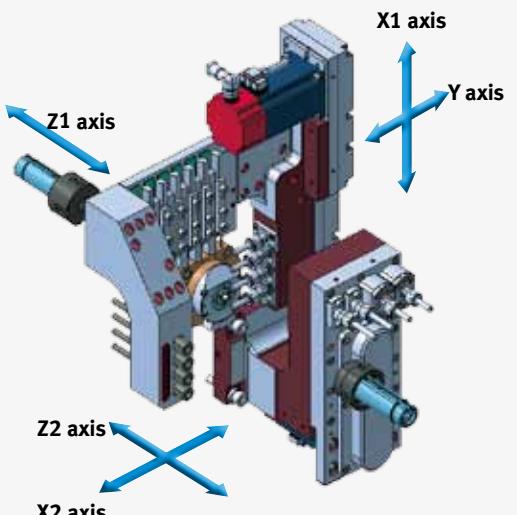
Travel distance

X1 / Y / Z1

**91/176/120mm**  
(2.9 / 6.9 / 4.7 inch)

X2 / Z2

**187/190mm**  
(7.4 / 7.5 inch)



## Tool

Front machining

**① Turning tool 6ea**

**10 x 10 x 110 mm (0.4 x 0.4 x 4.3 inch)**

**② Cross tool 4ea (ERM 11)**

**③ Sleeve holder 4ea (ERM 11)**

Back machining

**④ Fixed 2 / Rotation 2**

\* Slotted tool is available on the back tool side.



**User-Friendly Operation Panel**

FANUC CNC optimized for DOOSAN's machine tools maximizes users' productivity.

**10.4" Color LCD****USB & PCMCIA card**

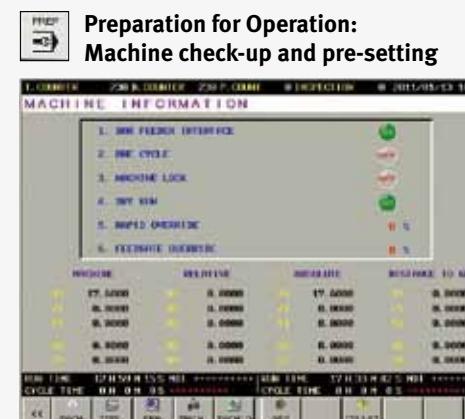
- Slant design for user convenience
- Short-cut keys for easier setup and operation

**Easy Operation Package**

Easier and simpler screens are continuously being developed for preprocess setup, machine check-ups, cutting, and other operations.

**User convenience software functionality**

Short-cut buttons on the operation panel for user convenience →



Displays the conditions of the machine and the interface to the peripheral equipment.



A screen where the user conducts basic setups for machine operation within the cycle set.

**Tool Life Management Function**

The usage info of each tool is counted for easier management of tools. Tool life can be managed with this function without additional hardware.

**Auto Cut-off Function**

Using a hot key, the operator can cut off work piece without using extra macro or programming. Reduced setup time leads to reduced preparation time.

## Major Specifications

### PUMA ST10GS



| Description        |                              | UNIT                     | PUMA ST10GS                    |
|--------------------|------------------------------|--------------------------|--------------------------------|
| Machining Capacity | Max. Machining diameter      | mm (inch)                | Ø10 (Ø0.4)                     |
|                    | Main                         | Max. spindle speed       | r/min 12000                    |
|                    |                              | Max. power (30min/cont.) | kW (Hp) 3.7 / 2.2 (5.0 / 3.0)  |
|                    | Sub                          | Max. spindle speed       | r/min 10000                    |
|                    |                              | Max. power (30min/cont.) | kW (Hp) 1.1 / 0.55 (1.5 / 0.7) |
| Tool post          | No. of mountable tools (Max) | ea                       | 22                             |
|                    | Front machining              | Turning tool             | ea 6                           |
|                    |                              | Sleeve holder            | ea 4                           |
|                    |                              | Cross tool               | ea 4                           |
| Travel             | Back machining               | fixed or rotation        | ea fixed 2 / rotation 2        |
| Control            | CNC system                   | -                        | DOOSAN FANUC i                 |



## Doosan Machine Tools

<http://www.doosanmachinetools.com>  
[www.facebook.com/doosanmachinetools](https://www.facebook.com/doosanmachinetools)

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